

### Abstract of the Disclosure

The present invention relates to network communication systems for managing client/server connections in a wireless environment. In accordance with the invention, a mobile communication unit (*i.e.*, client),  
5 deploys keepalive packets at selected times in order to reset a keepidle timer of a server (*e.g.*, host computer). By periodically resetting the keepidle timer a current connection between the mobile communication unit and server can be maintained as long as desired even when the mobile communication unit is in a power suspend mode. When in a power suspend  
10 mode, the mobile communication unit can briefly awake long enough to activate its transmitter and send a keepalive packet to the server to maintain the current connection. In this manner, the mobile communication unit can obtain the power savings of being in primarily a power suspend mode, but still prevent the current connection from timing out.